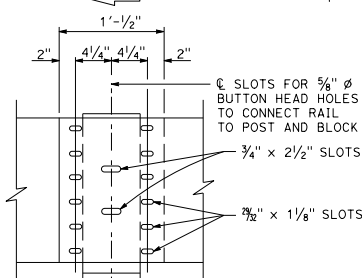
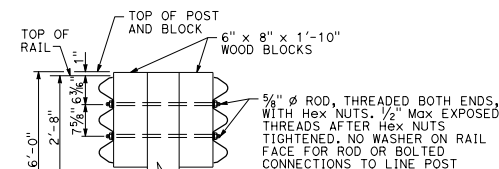


SECTION THRU
RAIL ELEMENT

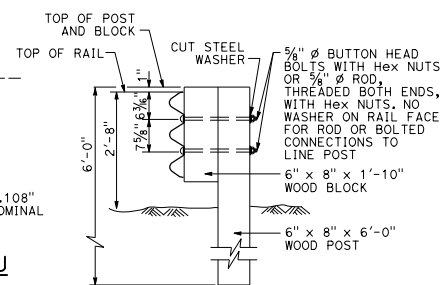


ELEVATION
RAIL ELEMENT SPLICE DETAIL

- a) Connect the overlapped ends of the thrir beam rail elements with $\frac{5}{16}$ " \times $1\frac{1}{4}$ " button head oval shoulder bolts inserted into the $\frac{7}{16}$ " \times $1\frac{1}{4}$ " slots and bolted together with $\frac{5}{16}$ " ϕ recessed hex nuts. Recess the hex nut points toward rail element. A total of 12 bolts and nuts are to be used at each rail splice connection.
- b) The ends of the rail elements are to be overlapped in the direction of traffic (see details).
- c) Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used. Where end cap is not to be attached to the ends of rail elements, a total of 8 of the above described splice bolts and nuts are to be used.

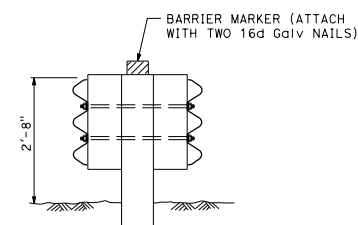


SECTION A-A
TYPICAL WOOD LINE
POST INSTALLATION



Where bolts are used, install so that the threaded end of the bolts and nuts are placed away from traffic side of rail.

SECTION B-B
TYPICAL WOOD LINE
POST INSTALLATION



THREE BEAM BARRIER DELINEATION

See Note 8

1. For details of steel post thru beam barrier, see Standard Plan A78B.
2. For details of standard hardware, posts and blocks used to construct thru beam barrier, see Standard Plan A78C1 and A78C2.
3. Thru beam barrier post spacing to be 6'-3" center to center, except as otherwise noted.
4. Top of barrier rail to be 2'-8" above ground line or shoulder surfacing under the rail element.
5. For barrier end treatments and barrier connections, see Standard Plans A78E3 and A78G, and Standard Plans A78E1, A78E2, A7701, A7702 and A78H.
6. For connection to Concrete Barrier (Type 60M), see Standard Plans A78I.
7. For details of thru beam barrier on bridge see Standard Plan A78D2. For details of thru beam barrier at fixed object, see Standard Plan A78D1.
8. See Project Plans for barrier delineation locations.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**THRIE BEAM BARRIER
STANDARD BARRIER RAILING
SECTION (WOOD POST
WITH WOOD BLOCK)**

NO SCALE

A78A

Dist	COUNTY	ROUTE	POST MILES	SHEET	TOTAL
			TOTAL PROJECT	No.	SHEET

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 31, 2018

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
No. **C50200**
Exp. **6-30-19**
CIVIL
STATE OF CALIFORNIA